



U.S. CIVIL AIR PATROL
SQUADRON 442
KERRVILLE, TEXAS

MONTHLY NEWS

“ReCAPping what you need to know May 2023”

Maj THOMAS KING CAP
SQUADRON COMMANDER

Maj GEORGE OTTO CAP
ADVISOR TO THE COMMANDER

LTC JOHN MURRAY CAP
DEPUTY SQUADRON COMMANDER

1Lt JOSH TAYLOR CAP
DEPUTY COMMANDER FOR CADETS

Capt DIANN BLACK CAP
ADMINISTRATION OFFICER

Capt JOHN DORIE CAP
SAFETY OFFICER

COMMANDER'S CORNER (Tom King)

Tom welcomed those in attendance at last night's May squadron meeting, held in-person at the KERV conference room as well as via Zoom. Marquel McNeill has transferred from our cadet squadron into the senior squadron and was in attendance at last night's meeting. In addition, welcome to Daniel Soria who is applying for membership as a new senior member in the cadet squadron. On a sad note, squadron member Jim Richmond passed away last month in California. Jim was one of the squadron's Standards and Evaluation Officers and a pilot. He will be missed. The next monthly squadron meeting will be from 6:00 – 7:00 pm on Wednesday, 7 June 2023 in the Kerrville Airport FBO conference room, in-person as well as via Zoom.

DATES & EVENTS TO REMEMBER

WHAT	WHERE	WHEN	WHO
May SAREX	San Marcos Airport (KHYI)	Saturday, 20 May 2023	ES Qualified members
75 th Anniversary of Gillespie County Airport	Gillespie County Airport (T82)	Saturday, 20 May 2023	Squadron members and guests
Squadron Monthly Meeting	Kerrville Airport, FBO + Zoom	Wednesday, 7 June 2023	Squadron members and guests
After-action Summary: MFC	Kerrville Airport (KERV)	Tuesday, 16 May, 2023	2023 MFC Staff

For additional information on these activities, contact either Tom King (210-467-7678) or John Murray (830-285-3248).

ADMINISTRATION (Tom King)

TXWG is pushing squadrons to update squadron member photographs (posted in eServices). These photos must meet a fairly specific format. We have started taking / collecting these photos. Whether you have a photo taken at one of our activities or on your own, please try to do so as soon as reasonably possible (hopefully later this month).

On 25 April 2023, CAP began voluntary roll-out of two-factor authentication (2FA) for all eServices accounts. I have not yet seen this in my use of eServices but it sounds like it's coming soon. Multi-factor authentication (2FA), also referred to as two-factor authentication, provides an extra layer of security when you log in to an account online. You may already be using 2FA with your bank, credit card, or other online accounts. 2FA is simple to use: When you log in with your password, you will receive an authentication request on a device such as a smartphone, cell phone, tablet, or computer to finish the login process.

OPERATIONS/EMERGENCY SERVICES (Bob Hamm)

The squadron airplane (N794CA) airplane was flown in April a total of 34.2 hrs Hobbs / 28.2 hrs tach, for a fiscal YTD 139.4 hrs (Hobbs). With five more months until the end of fiscal year 2023, our airplane is doing well in terms of hours flown.

Bob Hamm, John Murray, Gary Black and Tom King each flew sorties as part of the April 2023 SAREX. Aircrew members included Bill Wood, Mark Del Toro and Angeleena Del Toro. Mort McKenzie and Scott Purdy operated the base radio station in support of these flights. Flights were conducted from the Kerrville Airport (KERV).

Bob noted that he, Tom King and John Murray will fly N794CA to San Angelo on Saturday, 6 May to participate in cadet orientation flights at that airport. We are also scheduling orientation flights for our squadron cadets on Saturday 13 May.

A Wing-led Exercise will be conducted on Saturday, 20 May. We plan to participate in this exercise. Group V will operate out of the San Marcos Airport (KHYI). Bob Hamm and Tom King are working with Don Jones, Group V Commander, and Roger Corbin (TX 435) on air sorties for this exercise. Bob, Tom and Mark Del Toro plan to fly N794CA to San Marcos that day to participate in the activity.

We also plan to participate in the Squadron-led SAREX on Saturday, 3 June. We will operate out of the Kerrville Airport (KERV) and expect to use the squadron airplane (N794CA). If you are interested in participating in this exercise, please let Bob Hamm.



Our airplane will also be utilized as a part of the Battalion Culminating Training Exercise (BN CTE; "Falcon Virgo") Training in El Paso, Texas this coming June. The BN CTE is a series of exercises conducted by the Continental U.S. NORAD Region to hone NORAD's intercept and identification operations during airspace security events. Aircraft participating in the flight exercise include Air Force F-16 aircraft, Army UC-35A aircraft, Navy King Air 300

aircraft, Coast Guard MH-65D Dolphin helicopters, and Civil Air Patrol Cessna 182T aircraft (e.g., N794CA). BN-CTE 13 -20 June (El Paso) five C-182s and one C-206.

N794CA will undergo annual inspection in early June 2023 prior to going to El Paso for the BN-CTE.

George told those in attendance that we will meet to discuss the recently held Mountain Flight Clinic (MFC) in Alpine, Texas. The 2023 MFC was very successful with considerable positive comments from participants. At this post-exercise meeting, we want to discuss how the exercise went and what we might consider changing going forward with this exercise. The meeting will be held on Tuesday, 16 May 2023 at The Kerrville Airport FBO Conference Room, both in-person and via Zoom. If you participated in this year's MFC, please plan to attend this meeting. Or pass any comments along either to George or Tom King.

George also mentioned that Gillespie County Airport and Crosswind Aviation will host the 75th Anniversary of Gillespie County Airport on Saturday, 22 May 2023 from 10:00 am to 4:00 pm. The event will include static display of all types of aircraft ranging from antique and very rare war birds, military aircraft, general aviation aircraft as well as bi-plane rides and food trucks. Aviation Career Day vendors will include military recruiters, colleges with aviation and aviation mechanic programs, flight Schools, and aviation products and services companies. George Otto would like to have a squadron table set up at the event representing CAP. If interested in helping with this endeavor, please contact George.

CADETS (Josh Taylor/Mark Del Toro)

Josh is working with Bob Hamm on organizing ground team training as a part of our participation in the May SAREX. Josh also said that the cadets plan to participate in the June and July SAREXs as MSO / MSA / MRO trainees. Erica Miller outlined a plan for cadets to participate in an overnight Field Training Exercise either at Kerrville Schreiner Park or other area park facility in August or September. This exercise will be conducted with coordinated air support using N794CA if possible. At 7:30 pm on 22 May, the cadet squadron will conduct a GTM Badge ceremony. The cadet squadron received a Quality Cadet Unit Award for commendable program performance between August 2021 and August 2022. Two cadets flew on orientation flights last Sunday with Bob Hamm and with Tom King. As previously mentioned, additional cadet orientation flights will be scheduled for 13 May.

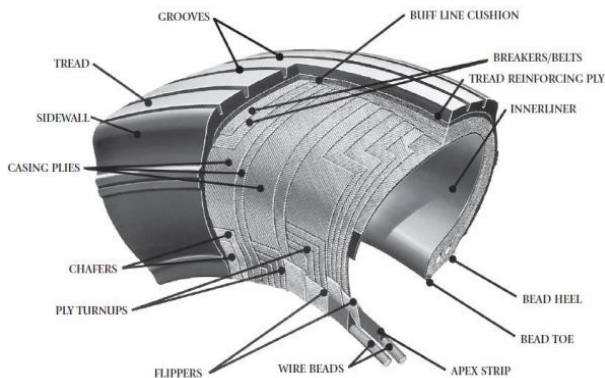
COMMUNICATIONS (Mort McKenzie)

During the April 2023 SAREX, aircrews noted that the TDFM radio in N794CA was not functioning properly. Mort and Scott Purdy analyzed the problem, determining that it was related to the radio's external antenna. Mort has ordered, and is awaiting receipt of, a new antenna for the TDFM radio in N794CA.

SAFETY (John Dorie)

John discussed "Tires". He also played a short Goodyear video on tire maintenance.

Check daily on/or before the first flight of the day when the tires are cool. A temperature change of 5°F (3°C) produces approximately one percent (1%) pressure change. It can take up to 3 hours or more after a flight for tire temperatures to return to ambient. Our airplane has an easy-to-use battery-operated tire pump, kept in the baggage compartment. The tire pressures are to be entered under the first sortie of the day in the AIF.



Examine the tires for any abnormal wear or damage. (Think it's OK to assume the tires are fine since it's our airplane? Think again: the airplane was returned from the recent RPP in Denton, Texas with a flat spot and cord exposed.)

What are you looking for when inspecting each of the three tires? Treadwear - inspect treads visually and check remaining tread. tires should be removed when tread has worn to the base of any groove at any spot, or up to 1/8 of the tire circumference. Uneven Wear - is tread wear excessive on one side of the tire? Tread Cuts - inspect tread for cuts and other foreign object damage. Sidewall Damage - look for weather checking, cracking, cuts and snags extend down to the casing ply in the sidewall and bead areas. Bulges - in any part of tire tread, sidewall or bead area these may indicate a separation or damaged tire. Fabric fraying/groove cracking - look for groove cracking exposing fabric or if cracking undercuts tread ribs. Flat Spots - look for flat spots exposing cord / fabric.

Loaded tires that are left stationary for any length of time can develop temporary flat spots. The degree of this flat spotting depends upon the load, tire deflection

and temperature. Flat spotting is more severe and more difficult to work out during cold weather. Occasionally moving a stationary aircraft can lessen this condition. This is generally not an issue for our airplane, given its frequency of use throughout the year.

Tires should be kept clean and free of contaminants such as oil, hydraulic fluids, grease, tar, and degreasing agents which have a deteriorating effect on rubber. Contaminants should be wiped off with denatured alcohol, then the tire should be washed immediately with soap and water and inspected for surface damage such as blistering or softening.



Remember that TXWG mandates that all members must participate in the monthly safety briefing prior to participation in any squadron activity including air operations. This participation must be documented. Your signing in at the monthly squadron meeting completes this requirement. You need no more safety briefing for this month. If you cannot attend a particular monthly meeting, respond "RECEIVED" to the e-mail to which the monthly newsletter is attached. And you'll get credit for the safety briefing.